SYSTEM FOR NEGOTIATION WITH MIRRORING

Abstract of Disclosure

A plurality of components are specified to perform a negotiation, where each component is a participant, a coordinator, or both. Each component is provided with a conversion table that maps a set of parameters between invocation patterns instantiated by the participants. Each coordinator is provided with a negotiation graph that it modifies to coordinate its neighborhood of negotiation graphs, and each participant is provided with a negotiation graph that it modifies for each invocation pattern it instantiates. Two message types are sent between components that communicate directly with each other in each neighborhood of negotiation graphs. The two message types are sent between the components to collaboratively mirror their negotiation graphs using their conversion tables in each neighborhood of negotiation graphs so that each participant only views information concerning those aspects in its negotiation graph that relate to the parameters of the invocation patterns it instantiated.

Figures